

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|--|--|------------------|---------|---------------------|
| L1 | 31121 | (curing resin) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/29 12:50 |
| L2 | 23 | (curing resin) and photo-electric | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/29 12:52 |
| L3 | 43 | (curing near2 resin) and photo-electric | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/29 12:59 |
| L4 | 39 | Si phototransistor | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/29 12:59 |
| L5 | 6 | (PIN Photodiode) same Si same transistor | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/29 13:08 |
| L6 | 2 | "20030222264".did. | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/29 13:08 |
| L7 | 1 | ("6,323,340").PN. | US- PGPUB; USPAT | OR | OFF | 2007/08/29 14:14 |

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| L9 | 528 | (438/26).CCLS. | US- PGPUB; USPAT | OR | OFF | 2007/08/29 15:32 |
| S1 | 38 | photodiode with electrode with substrate with wire | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 20:46 |
| S2 | 1 | PIN diode with electrode with substrate with wire | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/23 18:38 |
| S3 | 242 | diode with electrode with substrate with wire | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/23 18:39 |
| S4 | 121 | S3 same light | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/23 18:46 |
| S5 | 3 | S3 same light (receiv\$3 or recept\$3 or sens\$3 or detect\$3) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/23 18:47 |
| S6 | 369 | (light (receiv\$3 or recept\$3 or sens\$3 or detect\$3)) with wire with electrode | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/23 18:50 |
| S7 | 35 | S6 same diode | US- PGPUB; | ADJ | OFF | 2007/08/23 18:47 |

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| | | | USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | | | |
| S8 | 103 | (light (receiv\$3 or recept\$3 or sens\$3 or detect\$3)) same wire same electrode same diode | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/23 18:55 |
| S9 | 37 | (light (receiv\$3 or recept\$3 or sens\$3 or detect\$3)) with wire same electrode same diode | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/23 18:51 |
| S10 | 81 | (light (receiv\$3 or recept\$3 or sens\$3 or detect\$3)) same wire with electrode same diode | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/23 18:54 |
| S11 | 14331 | reflect\$3 near1 (infrared or infra-red) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 11:55 |
| S12 | 256372 | (PIN diode) or photodiode or photosensor or photodetector or (light detector) or (light sensor) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 15:31 |
| S13 | 427 | S11 same S12 | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; | ADJ | OFF | 2007/08/27 10:24 |

EAST Search History

| | | | IBM_TDB | | | |
|-----|------|---|--|-----|-----|---------------------|
| S14 | 9 | (resin or epoxy or plastic) same S13 | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 11:55 |
| S15 | 2095 | reflect\$3 near1 (infrared or infra-red) near2 (coating or layer or portion) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 10:54 |
| S16 | 17 | S15 same S12 | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 10:55 |
| S17 | 338 | (infrared absorbing layer) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 11:44 |
| S18 | 555 | (infrared (absorb\$3 or block\$3 or filter\$3) layer) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 11:44 |
| S19 | 14 | S18 same S12 | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 11:48 |
| S20 | 57 | S18 and S12 | US- PGPUB; USPAT; USOCR; | ADJ | OFF | 2007/08/27 11:48 |

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| | | | FPRS; EPO; JPO; DERWENT; IBM_TDB | | | |
| S21 | 2236 | S11 and S12 | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 11:55 |
| S22 | 3778247 | (resin or epoxy or plastic) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 11:55 |
| S23 | 762 | S11 and S12 and S22 | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 12:08 |
| S24 | 9 | S11 and S12 and S22 and S14 | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 12:08 |
| S25 | 47 | ("3596635" "3864722" "4016597" "4034396" "4173765" "4242694" "4285007" "4418284" "4658289" "4672457" "4691243" "4727407" "4739396" "4750838" "4827118" "4862253" "4899214" "4905039" "4933983" "4967081" "5024923" "5068913" "5114478" "5144498" "5159199" "5166784" "5256883" "5283691" "5434645" "5473513" "5489457" "5530278" "5545913" "5557326" "5604362" "5648653" "5665963" "5668596" "5691760" "5714759" "5724152" "5771315" "5777329" "5790211" "5808297" "5834761" "5841137").PN. | US- PGPUB; USPAT; USOCR | ADJ | OFF | 2007/08/27 12:12 |
| S26 | 9 | ("6252220").URPN. | USPAT | ADJ | OFF | 2007/08/27 |

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| | | | | | | 12:18 |
|-----|------|---|--|-----|-----|---------------------|
| S27 | 4166 | (light?transmis\$4 or light translucent or transparent or clear) with (resin or epoxy) same wavelength | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 13:46 |
| S28 | 4166 | ((light?transmis\$4 or light translucent or transparent or clear) with (resin or epoxy)) same wavelength | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 13:46 |
| S29 | 587 | S28 and S12 | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 15:31 |
| S30 | 2116 | ((PIN diode) or photodiode or photosensor or photodetector or (light detector) or (light sensor)) with (epoxy or resin) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 15:47 |
| S31 | 1 | S18 same S30 | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 15:33 |
| S32 | 1 | S18 and S30 | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 15:33 |
| S33 | 614 | (257/E31.121).ccls. | US- PGPUB; USPAT; USOCR; | ADJ | OFF | 2007/08/27 15:47 |

EAST Search History

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| | | | FPRS; EPO; JPO; DERWENT; IBM_TDB | | | |
| S34 | 0 | (250/339.05).clas. | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 16:47 |
| S35 | 120 | (250/339.05).ccls. | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 16:47 |
| S36 | 63099 | phthalocyanine | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 11:12 |
| S37 | 36436 | infrared near2 (absorb\$3 or block\$3 or filter\$3 or cut\$3) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 20:44 |
| S38 | 1585 | S36 same S37 | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 20:44 |
| S39 | 1238 | resin and S38 | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 20:45 |
| S40 | 1 | PIN diode with electrode with substrate | US- | ADJ | OFF | 2007/08/27 |

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| | | with wire | PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | | | 20:45 |
| S41 | 0 | S39 and S40 | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 20:45 |
| S42 | 256372 | (PIN diode) or photodiode or photosensor or photodetector or (light detector) or (light sensor) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 20:46 |
| S43 | 40 | S39 and S42 | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 20:51 |
| S44 | 739 | combination near3 phthalocyanine | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 20:52 |
| S45 | 19 | infrared same S44 | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/27 21:00 |
| S46 | 26 | combination near3 (near-infrared near3 absorb\$3) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; | ADJ | OFF | 2007/08/27 21:05 |

EAST Search History

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| | | | DERWENT; IBM_TDB | | | |
| S47 | 0 | (several near2 wavelength) same (infrared (absorb\$3 or block\$3 or cut\$3)) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 21:06 |
| S48 | 45 | (two near5 wavelength) same (infrared (absorb\$3 or block\$3 or cut\$3)) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/27 21:06 |
| S49 | 63123 | phthalocyanine | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 11:31 |
| S50 | 86 | S49 and (((two or (one near1 more)) near3 wavelengths) same infrared) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 11:19 |
| S51 | 1 | S49 and (((one or two) near1 more) with (absorption near1 peak near3 wavelengths)) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 11:21 |
| S52 | 25 | (phthalocyanine and infrared and absorption).ti. | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 11:31 |
| S53 | 6 | (resin or epoxy) same (infrared with (absorb\$3 or cut\$3 or block\$3 or reflect\$3)) same (photodiode or diode or | US- PGPUB; USPAT; | ADJ | OFF | 2007/08/28 14:05 |

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| | | photosensor or (light sensor) or (light detector) or (image sensor) or (image pick?up)) same (noise or unwanted) | USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | | | |
| S54 | 133 | (resin or epoxy) same (infrared with (absorb\$3 or cut\$3 or block\$3 or reflect\$3)) same (photodiode or diode or photosensor or (light sensor) or (light detector) or (image sensor) or (image pick?up)) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 14:06 |
| S55 | 0 | (transparent resin) same (flat profile) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 14:55 |
| S56 | 666 | (transparent resin) near10 (flat or uniform) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 14:55 |
| S57 | 666 | (transparent resin) near10 (flat or uniform or constance) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 14:55 |
| S58 | 725 | (transparent resin) near10 (flat or uniform or constant) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 14:56 |
| S59 | 476 | (transparent resin) near5 (flat or uniform or constant) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 14:56 |

EAST Search History

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| S60 | 3 | (transmit\$5 with wavelength) same S58 | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/08/28 15:09 |
| S61 | 1 | ("20040137244").PN. | US- PGPUB; USPAT | OR | OFF | 2007/08/28 15:25 |
| S62 | 0 | ("EP1331509").PN. | US- PGPUB; USPAT | OR | OFF | 2007/08/28 15:25 |
| S63 | 0 | EP1331509 | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 16:42 |
| S64 | 2 | "20040127595".\$did. | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 16:48 |
| S65 | 30392 | (transparent or translucent) resin | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 16:48 |
| S66 | 4803 | ((transparent or translucent) resin).ti. | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 16:49 |
| S67 | 24677 | (wavelength or wavenumber) same transmittance | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; | ADJ | OFF | 2007/08/28 16:49 |

EAST Search History

| | | | IBM_TDB | | | |
|-----|-------|--|--|-----|-----|---------------------|
| S68 | 14942 | (wavelength or wavenumber) near5 transmittance | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 16:49 |
| S69 | 742 | S68 and S65 | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 16:50 |
| S70 | 91 | S68 same S65 | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 16:53 |
| S71 | 2 | "20030173546".did. | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 16:55 |
| S72 | 2 | "20070122631 ".did. | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 17:01 |
| S73 | 0 | "5883163.pn" | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 17:01 |
| S74 | 0 | "5883163.pn." | US- PGPUB; USPAT; USOCR; | ADJ | OFF | 2007/08/28 17:01 |

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| | | | FPRS; EPO; JPO; DERWENT; IBM_TDB | | | |
| S75 | 2 | "5883163".pn. | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/28 17:07 |
| S76 | 2 | "4431762 ".pn. | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/29 14:14 |
| S77 | 528 | (438/26).CCLS. | US- PGPUB; USPAT | OR | OFF | 2007/08/29 10:32 |
| S78 | 222 | S77 and resin | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/29 10:32 |
| S79 | 41 | S77 and ((transparent or translucent) resin) | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/29 10:38 |
| S80 | 157 | S77 and inject\$3 | US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | OFF | 2007/08/29 10:38 |